

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
25 August 2005 (25.08.2005)

PCT

(10) International Publication Number
WO 2005/077824 A1

(51) International Patent Classification⁷: **C01B 13/02**,
B01D 53/04, 53/047, A61M 16/10

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(21) International Application Number:
PCT/JP2005/002671

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(22) International Filing Date: 15 February 2005 (15.02.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2004-037831 16 February 2004 (16.02.2004) JP

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(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG,
KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG,
MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH,
PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN,
TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

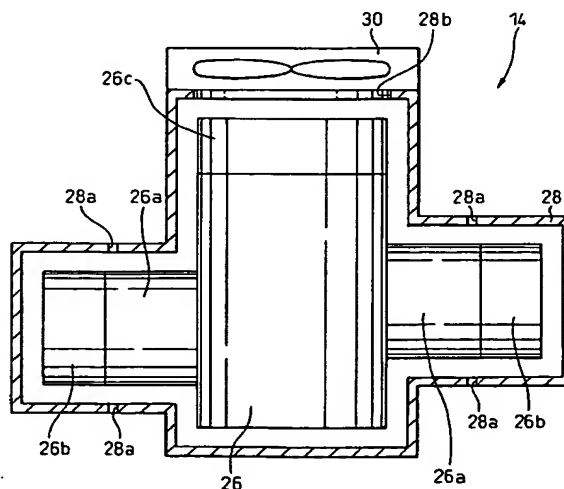
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(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: OXYGEN CONCENTRATING APPARATUS



(57) Abstract: An oxygen concentrating apparatus (10) has an oxygen concentrating unit (12), a compressor (26) for supplying compressed air to the oxygen concentrating unit (12) and a compressor housing (28) for accommodating the compressor (26). The compressor housing (28) includes a plurality of air inlet ports (28a) for introducing the air into the compressor housing (28) and an air outlet opening (28b) for discharging the air from the compressor housing (28). A cooling fan (30) is mounted on the compressor housing (28) at the air outlet opening (28b) for drawing the air from the compressor housing (28). The air inlet ports (28a) are disposed adjacent to the side wall of the compressor (26) to direct the air flow induced by the cooling fan perpendicularly to the side wall of the compressor (26). The capacity of the cooling fan (30) and the diameter of the air inlet ports (28a) are selected to ensure the velocity of the air flow through the air inlet ports (28a) is equal to or lower than 15m/sec.



Published:

— with international search report

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